First Argentine–Brazilian Meeting on Applied Mathematics

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Abstract: The abstract is limited to a single paragraph with no more than 150 words. It must be self-contained and it must be written using Times New Roman 9 font.

Keywords: *first, second, third*
2020 AMS Subject Classification: 65K10, 49J20

1 Introduction

ASAMACI - Argentine Association for Industrial, Computational and Applied Mathematics - Officers Board has decided to utilize this LaTEX format for the MACI scientific meetings.

2 General Specifications

This document provides information and instructions for preparing an article following the MACI style. Only articles formatted according to the present guidelines will be accepted for MACI publications. The article must be written in Spanish, English or Portuguese within a printing box of 15,5cm x 22,5cm centered in a A4 paper page. If acronyms are used, then define them before their first occurrence.

Each work must have a **minimum of two** and a **maximum of four pages** and must be sent in pdf format with no more than 2 Mb.

Contributed works must be sent through the Open Conference System (OCS).

OCS access link: http://www.amcaonline.org.ar/maci/

2.1 Installation

One way to begin is to copy the file "MACIexample-english.tex" as a new file and to replace the appropriate text. It is necessary to save the file "maciarticle.cls" on a directory where it can be identified by LaTeX. It can be the same directory where the work is written or some directory on the TEXINPUTS path.

2.2 Used LATEX Packages

The class maciarticle require the following LaTeX packages:

calc, indentfirst, authblk, natbib, babel, color, hyperref, nameref, url, times, fancyhdr

2.3 MACIARTICLE CLASS OPTIONS

The maciarticle class comes from the standard LaTeX class "article", so it accepts the same options. Nevertheless, in the sake of uniformity of the MACI work formats, we require the authors to use the maciarticle.cls class without any modification of the established parameters. The option that still in use is the language, and it is possible to choose among "english", "spanish" or "portuguese". The file "MACIexample-english.tex" is written under the option "english"; see the first line:

```
\documentclass[english]{maciarticle}
```

3 AUTHORS AND AFFILIATIONS

These data are manage with the "authblk" package, which is included on the maciarticle class. In case you have any doubt, you can see the file "authblk.dvi", distributed with the package. In general, the following example should be enough.

In the case that all the authors belong to the same institution, the macro "\voidaffil" must be used as the character for the filiation, e.g.

\author[\voidaffil]{First A. Author},
\author[\voidaffil]{Second B. Author}
\author[\voidaffil]{Third C. Author}
\author[\voidaffil]{Fourth D. Author}
\affil[\voidaffil]{Applied Mathematics Team, Universidad Nacional de San José de los Sapos, Caburé 219, 2534 San José de los Sapos, Argentina, gma@unsjdls.edu.ar, www.unsjdls.edu.ar}.

If an author belongs to several institutions, the filiation characters must be separated by commas, e.g.

\author[a,b]{First A. Author}

4 KEYWORDS

Please, don't write more than six keywords.

5 RECOMMENDATION FOR WORD SEPARATION

The maciarticle class include automatically the package "babel", so LaTeX will separate the words correctly if necessary. Nevertheless, problems with word separation appear frequently on spanish articles. We recommend to control this item. [1]

6 THEOREMS, LEMMAS, ETC

The enunciation of the theorem must be as follows

`\begin{theorem} \label{suetiqueta}` enunciation
`\end{theorem}`

The label `\label{itslabel}` can be used to refer to the mentioned theorem on any part of the text using `\ref{itslabel}`. The theorem will be shown in italics

Theorem 1 *Theorem enunciation*

and must be refered as Theorem 1.

In a similar way Lemmas (`lemma`) and Propositions (`proposition`) must be included.

The other theorem type environments are: `corollary`, `definition`, `example` y `note`.

6.1 PROOFS

Put the proof text between
`\begin{proof}` Proof `\end{proof}`

The symbol □ should appear at the right margin in the last line of the proof, as it can be seen below:

Proof. Proof text. □

7 FIGURES

All the figures must be consecutively numerated and captioned as shown below

[1] This is the way to introduce a footnote, if necessary.

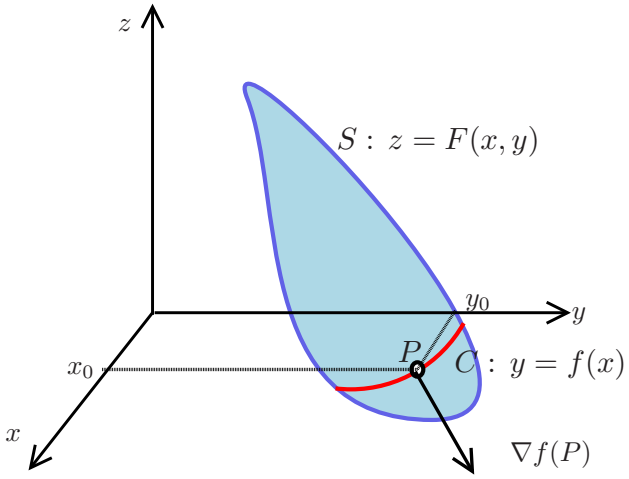


Figure 1: Connected Domain

The figures must be mentioned on the text: Figure 1. Figures in color are allowed.

It is recommended to use .pdf figures when compiling in PDF, otherwise use any other figure or image extension.

ACKNOWLEDGMENTS

Acknowledgments must be introduced on a non numerated section (`\section*{Acknowledgments}`) before the references.

8 REFERENCES

The references must respect the following format, and will be cited on the text on this way: [1],[2],[6].

REFERENCES

[1] F. BACCELLI, G. COHEN, G.J. OLSDER, AND J-P. QUADRAT, *Synchronization and linearity. An algebra for discrete event systems*, Wiley and Sons, 1992.

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